Mukesh Kumar Sahu

MTech Scholar

Self motivated MTech student in Data Science and Engineering with a passion for using data to solve real-world problems. Proficient in various data science tools and techniques. Successfully completed coursework in machine learning, deep learning, and natural image processing. Seeking an opportunity where my potentials will be fully discovered while working for the team dedicatedly.

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📱 9658143836

📅 15 May, 1999

github.com/mukesh16

EDUCATION

MTech
National Institute of Technology
08/2023 - Present   *Silchar, Assam, CGPA: 8.06*

Courses
○ Data Science and Engineering

BTech
Silicon Institute of Technology
08/2016 - 07/2020   *Bhubaneswar, Odisha, CGPA: 7.82*

Courses
○ Electrical and Electronics Engineering

WORK EXPERIENCE

Data Engineer / Developer
Tata Consultancy Services, Bengaluru
03/2021 - 06/2023   *Bengaluru, India*

Roles and Responsibilities
○ Proficient in developing and implementing end-to-end ETL processes using Apache Airflow, Apache Spark, Pandas, NumPy, and SQL, resulting in data processing and enhanced logic.
○ Skilled in version control and CI/CD management using GitLab for production releases.
○ Experienced in creating reusable code modules and employing Pytest-Fixtures for validation scripts and unit tests.
○ Demonstrated ability in designing dynamic and flexible data-cache schemas utilizing object-oriented programming principles.
○ Effective communicator, collaborating with colleagues and clients to gather and clarify project requirements.
○ Visionary in conceptualizing and constructing infrastructure for efficient access and analysis of big data.

TECHNICAL SKILLS

Operating System :
Windows, Linux, MacOS

Database/server :
SQL Server, My SQL, NoSQL

Programming Language :
C, Python, Pandas, Numpy , SQL, scikit-learn, TensorFlow, Keras, PyTorch

Other Software/Tools :
Airflow, AWS S3, Data Lake, Data Studio, Databricks, Power BI, Jupyter Lab/ Notebook

SKILLS

Machine Learning   Artificial Neural Network   Deep Learning

Data Mining   Optimization Techniques   Feature Engineering

Big Data Analytics and Visualization   Data Structures & Algorithms

Natural Image Processing

PROJECTS

Image Classification on CIFAR-10 (2024 - Present)
○ **Summery :** Aim to Build a convolution neural network in Keras with python on a CIFAR-10 dataset.
○ First, we will explore our dataset, and then we will train our neural network using python and Keras.
○ **Link :** https://github.com/mukesh16/MTech/tree/main/image_classification_CIFAR_10.

Video Recommendation System (2023 - 2024)
○ **Summery :** Aim Is to Build a Video Recommendation System similar to YouTube, using movie lens dataset.
○ **Link :** https://github.com/mukesh16/MTech/tree/main/video_recommendation_system .

Nielsen Tam Media (Annual UE) (2022 - 2023)
○ **Company:** Tata consultancy services **Client:** Nielsen.
○ **Summery :** An extension of the preceding project, where annual universe estimates were prepared for the United States market.
○ The project has expanded the flexibility and sophistication of data analysis and set targets for sync data.

Nielsen Tam Media (Local UE) (2021 - 2022)
○ **Company:** Tata consultancy services **Client:** Nielsen.
○ **Summery :** Developed and implemented a product to automate Nielsen's weighting technique and prepare universe estimates for the United States media markets.

ACHIEVEMENTS

Xcelerate Warrior Certificate (12/2022)
Tata Consultancy Services

Star of the Month Award (11/2021)
Tata Consultancy Services

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency